

ATTACHMENT C

Louisville Tree Advisory Board Education and Outreach Committee 2012 Report

With very limited means, the committee has produced a prototype slide talk which can be used by board members and others to present and begin to explain the benefits of trees and the significance of the urban canopy in the community at large. This slide talk needs to be refined and enlarged in a more professional manner. Members of the committee have begun to make presentations to community groups and will increase this role in 2013.

The committee has forged a relationship with Moore Traditional High School, a JCPS school with an environmental component. Late this fall, the students themselves, under the tutelage of Robert Rollins of Green Haven, were able to plant five Ecotech trees on their campus. The committee will continue to work with these students and their teacher --- as well as with the Louisville Nature Center and the teacher leading the environmental program at Assumption High School --- as part of the tree stewardship program now in development. Once this tree stewardship program is fully developed, it can be used as an adaptable template at other school sites. The tree stewardship program should eventually have an adult program component as well.

Currently, the committee is also working on arrangements for a reception to be held at Whitehall on the eve of the February 22 State Tree Board Seminar which will be held at the Clifton Center in conjunction with the KY Division of Forestry. The reception will present an opportunity for networking among Tree Advisory Board members, seminar presenters and participants and tree activists and leaders living in Jefferson County.

The committee hopes that in 2013, there will be a means of better channeling the responses of a concerned public toward an action plan that will result in financing for raising the public's awareness of the importance of the tree canopy, proper tree maintenance techniques and tree planting.

ATTACHMENT D

Tree Project Committee 2012

Summary

Even without a budget, the Tree Projects Committee still played a major role in planting more than 200 trees during the fall/early winter planting season in cooperation with multiple collaborators. Ecotech sponsored half of those trees. Ecotech sites were selected in consultation with Metro Parks and the Metro Arborist.

The first year of Ecotech donations did not satisfy demand for trees. On the contrary, the donations stimulated more demand for trees. The list of potential 2013 Ecotech trees already outstrips the number of trees available from Ecotech this coming planting season 2013 fall/winter.

In the best of cases, the communities that received trees are starting their own tree planting programs. For example, the City of Wellington, after getting 10 Ecotech trees, is beginning their own subsidized trees planting. Avondale neighborhood, which won't receive its 10 trees until the next sequence, is challenging itself to plant 100 trees in 2013.

In all cases, we look for neighborhood tree champions to guarantee consistent watering and protection from string trimmers.

We have initiated conversations 1) to create tree well specs for long lived trees in downtown Louisville, 2) to encourage a tree planting and protection program at JCPS which owns thousands of potential tree sites, and 3) will initiate conversations with the state highway department which also owns thousands of potential tree sites.

Project List

River Valley Cemetery off Cane Run Road

05 First Tree Commission Trees Planted Spring 2012

100 Ecotech Trees

03 Flaget Community Center Press Conference
10 Flaget Community Center
20 Shawnee Park
03 River Valley Cemetery off Cane Run Road
03 Residents on Cane Run Road
10 Lake Forest Community Association
10 City of Wellington
10 Winchester Road in Broadfields Neighborhood
05 Moore High School
10 Afterglow and Outer Loop
16 Drayton Drive by Bowman Field

Potential Sites for Ecotech Trees 2012

Flaget Community Neighborhood
Cane Run Road
Winchester Road in Broadfields Neighborhood
Auburndale Neighborhood
Parkland Boys and Girls Club
Portland
Kentucky Center for African American Heritage
Russell Neighborhood
Lake Dreamland Park
Lower Hunters Trace Neighborhood
Avondale Neighborhood

Re-Tree Dundee

43 Tartan Way, LaMont, Fordyce, Paisley, Fraser, Cameron Ct.

Potential Sites for Re-Tree Dundee 2013

Dundee
Atherton High

Kentucky Center for African American Heritage

45 KCAAH Campus

Potential Sites for KCAAH in 2013

KCAAH Campus and Russell Neighborhood

Kentucky School for the Blind

02 KSB Campus

Potential Sites for Kentucky School for the Blind in 2013

12 KSB Frankfort Avenue Street Trees planned for March

ATTACHMENT E

LOUISVILLE METRO TREE ADVISORY COMMITTEE SCIENTIFIC AND INVENTORY SUBCOMMITTEE JANURARY 22, 2013

2012 ACTIVITY SUMMARY

In 2012, the Scientific and Inventory Subcommittee reviewed a variety of existing resources and performed research in order understand the needs of Metro Louisville in terms of a tree inventory. This work began by reviewing work previously completed by other committees such as the Community of Trees and continued through meeting with a representative of the nation's leading tree inventory consultant. Much attention was given to work performed in other communities and how Metro Louisville can begin to address the imminent problems associated with the Emerald Ash Borer (EAB). This subcommittee is currently developing the language for a Request for Proposal (RFP) for Urban Tree Canopy Inventory for the entire county. Below are some of the key sources of information by this subcommittee:

- Dr. Margaret Careirro – University of Louisville, Plot inventories throughout Jefferson County
- Evan Conners – University of Louisville, Tree Master Plan
- Dr. Brian Stone – Georgia Tech, Louisville's Urban Heat Island
- Danielle Crumrine, Trees Pittsburgh, Pittsburg Tree Master Plan
- Curt Bynum – LOJIC, LOJIC's existing geographic information systems data and capabilities
- Jenny Clark – Davey Tree Company, Tree master planning , process, and needs
- Northern Kentucky Urban and Community Forestry Council - Urban Tree Canopy Assessment and Planting Plan RFP

CHALLENGES

The challenges for this group have been trying to determine the exact needs of Metro Louisville and how to achieve them most efficiently. There is a large body of knowledge relating to tree inventories and multiple techniques that can be used to gather the data. Some techniques are more detailed and more expensive than others.

2013 GOALS

1. In order to expedite the Metro Louisville's response to EAB, the Scientific and Inventory Subcommittee has a specific inventory is needed for Ash trees. Preliminary discussions have identified college interns as the most cost effective way to perform this work and they will likely be managed by city staff. It's anticipated the inventory could be performed in during the summer of 2013.
2. A second inventory will be needed to address canopy coverage loss and future targets for the entire county. This inventory will require funding and the expertise of a consultant. Currently the Scientific and Inventory Subcommittee is crafting language for this RFP. It's anticipated that the RFP will be by March of 2013. Below are the objectives outlined in the RFP:

RFP Objectives

The objectives of this Project are to:

1. Establish an UTC baseline of known accuracy and classification methodology that can be used to track canopy gains and losses over time for Jefferson County, Kentucky (Project Area).
2. To determine the UTC for Jefferson County that existed approximately 10, 20 and 30 years in the past to obtain estimates of canopy cover change over that time period.
3. To determine the potential UTC for Jefferson County
4. Locate hot spots of environmental need for tree cover and determine the potential UTC for those locations

To accomplish these objectives, the Vendor will:

1. Perform UTC and potential UTC mapping of the Project Area at three scales, by Council District (2012 boundaries), by Census Block, and by Anderson II Level Land Use. Obtain socio-demographic and economic data at two scales, that of the Council District and Census Block. Report on various statistical findings and comparisons.
2. Develop tree planting rate scenarios for Jefferson County that will prevent net canopy loss over a 5-year period, and achieve the goals of increasing tree cover to 33%, 40% and 45% and the time to attain that coverage. These goals will be based on past UTC loss/gain rates from the 30-year analysis, current UTC, potential UTC and associated environmental and socio-economic GIS data that can inform scenario building.
3. Identify and prioritize hot spots of environmental need based on the following criteria:
 - a. Locations where urban heat in summer is **large (above xx°)**, particularly in residential areas.
 - b. Locations where local flooding due to run-off is extreme and cause combined sewer overflows, street flooding, creek flooding and other related problems.